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Erin Cowles**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/821,715 Confirmation No. 1531  
Applicant : Eldridge  
Filed : April 8, 2004  
TC/A.U. : 2813  
Examiner : Laura Schillinger

Docket No. : P35C1D1-US

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

To Whom It May Concern:

Listed on an attached Form PTO/SB/08A is information known to applicant(s). Applicants ask that the attached Form PTO/SB/08A be initialed and returned in accordance with MPEP §609. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

**COMMONLY OWNED, RELATED U.S. PATENTS AND APPLICATIONS**

**Applicants note that citation numbers 42 and 45 in the attached listing are U.S. patents or applications that are commonly owned with the above-identified patent application and may contain subject matter that is related to the subject matter of the above-identified patent application.** The Examiner's attention is therefore directed to the prosecution history of the foregoing related U.S. patent(s) and patent application(s) and prior art cited in these patent(s) and patent application(s); Applicants assume the Examiner has access to all of the prosecution history, including the cited prior art, of these patents(s) and patent application(s), but Applicants will provide copies of all or any part of the prosecution history of or prior art from any of these patent(s) or patent application(s) upon request.

- ☒ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):
- ☐ It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d)); or
  - ☐ It is being filed within 3 months of entry of a national stage; or
  - ☒ It is being filed before the mail date of the first Office Action on the merits; or
  - ☐ It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114.
- ☐ 37 C.F.R. §1.97(c). If this statement is being filed three months after the filing date of a national application or entry of the national stage in an international application and the mailing date of a first Office action on the merits but before the mailing date of the earlier of a final office action, a notice of allowance, or an action that otherwise closes prosecution in the application, then:
- ☐ a statement as specified in §1.97(e) is provided below; **or**
  - ☐ a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☐ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:
- a statement as specified in §1.97(e) is provided below; **and**
  - a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

*Fee:*

- ☒ No fee is due.
- ☐ A check that includes \$\_\_\_\_\_ for the above-identified fee(s) is enclosed.
- ☐ Payment is provided by credit card.
- ☐ This statement is filed as one part of a multi-part submission. The fee for the complete submission was included in an electronically filed submission on \_\_. Applicants request the foregoing fee be accepted for this statement. (See OG Notice dated 17 September 2002.)

Respectfully submitted,

Date: December 6, 2006

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Modified Form PTO/SB/08A

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete If Known</i>	
				Application Number	10/821,715
				Filing Date	4/8/2004
				First Named Inventor	Eldridge
				Group Art Unit	2813
				Examiner Name	Laura Schillinger
Sheet	1	of	3	Attorney Docket No.	P35C1D1-US

U.S. PUBLISHED PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publ./Issue Date	Related <sup>#</sup>
		Number	Kind Code <sup>2</sup>			
	1.	3389457		Goldman et al.	6/25/1968	No <sup>***</sup>
	2.	3519890		Ashby	7/7/1970	No <sup>***</sup>
	3.	4032058		Riseman	6/28/1977	No <sup>***</sup>
	4.	4418857		Ainslie et al.	12/6/1983	No <sup>***</sup>
	5.	4486945		Aigoo	12/11/1984	No <sup>***</sup>
	6.	4674180		Zarracky	6/23/1987	No <sup>***</sup>
	7.	4705205		Allen et al.	11/1987	No <sup>***</sup>
	8.	4893172		Matsumoto et al.	1/9/1990	No <sup>***</sup>
	9.	4919623		Billman et al.	4/1990	No <sup>***</sup>
	10.	5059556		Wilcoxon	10/22/1991	No <sup>***</sup>
	11.	5067007		Kanji et al.	11/19/1991	No <sup>***</sup>
	12.	5103557		Leedy	4/14/1992	No <sup>***</sup>
	13.	5164339		Gimpelson	11/17/1992	No <sup>***</sup>
	14.	5195237		Cray et al.	3/23/1993	No <sup>***</sup>
	15.	5210939		Mallik et al.	5/18/1993	No <sup>***</sup>
	16.	5214375		Ikeuchi et al.	5/1993	No <sup>***</sup>
	17.	5259768		Brunker et al.	11/1993	
	18.	5317479		Pai et al.	5/31/1994	No <sup>***</sup>
	19.	5323035		Leedy	6/21/1994	No <sup>***</sup>
	20.	5326726		Tsang et al.	7/5/1994	No <sup>***</sup>
	21.	5354712		Ho et al.	10/11/1994	No <sup>***</sup>
	22.	5366380		Reymond	11/22/1994	No <sup>***</sup>
	23.	5476211		Khandros	12/19/1995	No <sup>***</sup>
	24.	5495667		Farnworth et al.	3/5/1996	No <sup>***</sup>
	25.	5595942		Albrecht et al.	1/21/1997	No <sup>***</sup>
	26.	5665648		Little	9/9/1997	No <sup>***</sup>
	27.	5723894		Ueno et al.	3/3/1998	No <sup>***</sup>

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

\*\* Reference cited in parent applications US Serial Nos. 08/852,152 and 09/694,205. CFR § 1.98(d)

\*\*\* Pre-OG Notice By Deputy Commissioner Stephen G. Kunin dated July 11, 2003 waiving the requirement to file copies of US patent publications in applications filed after June 30, 2003.

& Notice dated October 19, 2004 by Deputy Commissioner for Patent Examination Policy waiving requirement to file copies of pending US patent applications if the applications are stored in the USPTO's IFW system.

# Commonly owned US patent or application whose subject matter may be related to the subject matter of the instance patent application.

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				Group Art Unit	2813
Examiner Name	Laura Schillinger				
Sheet	2	of	3	Attorney Docket No.	P35C1D1-US

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Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publ./Issue Date	Related <sup>#</sup>	Copy Enclosed
		Number	Kind Code <sup>2</sup>				
	28.	5731229		Kato et al.	3/24/1998		No <sup>***</sup>
	29.	5756370		Farnworth et al.	5/26/1998		No <sup>***</sup>
	30.	5772451		Dozier, II et al.	6/30/1998		No <sup>***</sup>
	31.	5777328		Gooch	7/7/1998		No <sup>***</sup>
	32.	5786270		Gorrell et al.	7/28/1998		No <sup>***</sup>
	33.	5789264		Chung	8/4/1998		No <sup>***</sup>
	34.	5829128		Eldridge et al.	11/3/1998		No <sup>***</sup>
	35.	5848685		Smith et al.	12/15/1998		No <sup>***</sup>
	36.	5879963		Howe et al.	3/9/1999		No <sup>***</sup>
	37.	5897326		Eldridge	4/27/1999		No <sup>***</sup>
	38.	5917707		Khandros et al.	6/29/1999		No <sup>***</sup>
	39.	5930596		Klose et al.	7/27/1999		No <sup>***</sup>
	40.	6080596		Vindasius et al.	6/27/2000		No <sup>***</sup>
	41.	6183267	B1	Marcus et al.	2/6/2001		No <sup>***</sup>
	42.	6184053		Eldridge et al.	2/6/2001	x	No <sup>***</sup>
	43.	6188231	B1	Palagonia	2/13/2001		No <sup>***</sup>
	44.	6245444	B1	Marcus et al.	6/12/2001		No <sup>***</sup>
	45.	6727580		Eldridge et al.	4/27/2004	x	No <sup>***</sup>

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant	Publ. Date	T <sup>6</sup>	Copy Enclosed
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
	46.	JP	1-150862		Yoshihide et al.	6/13/1989		No**
	47.	JP	2-034949		Bessho et al.	2/5/1990		No**
	48.	JP	2-221881		Hidetoshi	9/4/1990		No**
	49.	JP	4-240570		Inoue	8/27/1992		No**

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
	50.	JP	5-198716		Osawa	8/6/1993		No**
	51.	JP	58-191453		Kazuo	11/8/1983		No**
	52.	JP	6-018555		Sugano	1/25/1994		No**
	53.	JP	7-209334		Masayuki	8/11/1995		No**
	54.	JP	7-333232		Yagi et al.	12/22/1995		No**
	55.	JP	8-306708		Harada	11/22/1996		No**

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	Copy Enclosed
	56.	"Method of Testing Chips and Joining Chips to Substrates," 2244 Research Disclosure No. 322 (Emsworth, Great Britain February 1991)		No**
	57.	WEAST, "Handbook of Chemistry and Physics," CRC Press, pp. D-171 to D-172 (Cleveland, Ohio)		No**

Examiner Signature		Date Considered	
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